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JAN 17 1977

**U. S. Geological Survey
Carlsbad, N. M.**

REPORT OF SUBSIDENCE SURVEY

JACKPILE MINE

LAGUNA, NEW MEXICO

Confidential Claim Retracted

Authorized by: SC

Date: 6/20/13

PREPARED BY MARMON ENGINEERING SURVEYS

Laguna, New Mexico

January 10, 1977



CONFIDENTIAL

**9404345
POL-EPA01-0005609**

ANACONDA SUBSIDENCE SURVEY

Jackpile Mine, Laguna, New Mexico

January 10, 1977

Station	N	E	Delta Initial Survey		Elevation	Delta Initial Survey
			N	E		
1	1001855.883	990225.735	+ .075	+ .015	6281.582	- .029
2	1001877.446	990128.163	+ .063	- .050	6288.495	- .055
3	101899.065	990030.612	+ .070	- .006	6293.522	- .075
4	1001921.690	989933.240	- .031	- .091	6303.708	- .071
5	1001942.071	989835.675	+ .122	+ .022	6315.570	- .109
6	1001963.572	989738.012	+ .009	- .005	6313.735	- .082
7	1001985.039	989640.832	- .009	+ .015	6325.188	- .086
8	1002006.624	989543.126	+ .050	- .089	6333.100	- .017
9	1002029.783	989446.046	+ .011	+ .066	6346.795	- .012
10	1002057.906	989350.328	+ .002	- .005	6356.411	- .008
12	1001883.685	989413.335	+ .033	+ .022	6355.783	- .027
13	1001860.579	989510.541	+ .062	- .028	6349.477	- .010
14	1001838.953	989608.110	- .011	- .046	6349.068	+ .002
15	1001817.407	989705.552	- .055	- .029	6329.350	- .032
16	1001795.996	989803.043	+ .091	- .020	6319.244	- .035
17	1001774.523	989900.548	+ .060	- .048	6317.510	- .012
19	1001731.327	990095.577	- .020	- .077	6303.915	- .009
20	1001709.927	990193.214	+ .110	- .009	6297.420	- .016
21	1002413.882	988801.631	- .033	- .001	6374.527	- .025
22	1002488.077	988735.132	+ .008	- .039	6374.385	- .026
23	1002567.969	988675.111	- .005	+ .005	6370.104	+ .007
24	102651.990	988621.027	+ .007	+ .002	6372.258	- .010
25	1002739.861	988573.330	+ .029	+ .011	6375.053	- .011
26	1002831.002	988532.222	- .020	+ .007	6375.329	- .015
27	1002926.012	988498.744	+ .044	+ .039	6362.633	- .035
28	1002820.782	988322.289	+ .038	- .009	6382.058	+ .002
29	1002727.729	988358.822	+ .057	+ .002	6389.714	+ .007
30	1002637.291	988401.312	+ .020	- .030	6396.282	+ .009
31	1002549.646	988449.543	+ .000	+ .119	6390.169	+ .003
32	1002465.354	988503.117	- .022	- .015	6396.558	- .006
33	1002384.651	988562.146	- .030	+ .008	6397.532	+ .001
34	1002307.993	988626.140	+ .027	- .035	6395.115	+ .001

CONFIDENTIAL

POL-EPA01-0005610

CERTIFICATION

This is to certify that the data contained within this report was derived from actual field surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Fred D. Marmon

Fred D. Marmon, Registered
Land Surveyor, Certificate
No. 2031

January 10, 1977



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U. S. Geological Survey
Carlsbad

State of New Mexico
Environmental Improvement Agency

BACTERIOLOGICAL

WATER REPORT
LIEG 100

64201

Town ANACONDA Code # Val. County Val. Code # 52-11
Date Collected 11/1/76 Collected By J. K. YARLOS
Location No. #6 Chlorinated ☒ YES ☐ NO ☐ Residual
Owner of System ANACONDA pH 7.2
Collection Point NEW SWP
PUBLIC ☐ SEMI-PUBLIC ☐ PRIVATE ☒ SWIMMING POOL ☐ W.P.C. ☐ SPECIAL ☐
Stream/Lake Name _____
Sewage/Industrial Plant Name _____
River Basin: RIO GRANDE ☒ PECOS ☐ SAN JUAN ☐ GILA ☐ CANADIAN ☐
LITTLE COLORADO ☐ OTHER _____
SANITARY SURVEY COMPLETED- YES ☒ NO ☐
CHECK TEST REQUIRED: POTABILITY ☐ COLIFORM GROUP ☐ MEMBRANE FILTER ☒
STANDARD PLATE COUNT ☐ FECAL COLIFORM ☐ FECAL STREPTOCOCCI ☐
Re-Sample No. _____ Other _____

SEND REPORT TO THE FOLLOWING (NAME & ADDRESS)

MR. T. BECK
ANACONDA COMPANY
P.O. BOX 638
GRANTS, N.M. 87020

RESULTS OF TESTS FOR COLIFORM GROUP			
	Presumption	Confirmed	Completed
Volume	24 Hours	48 Hours	24 Hours
10 ml.			
10 ml.			
10 ml.			
10 ml.			
10 ml.			

CONFORMS ☐ DOES NOT CONFORM ☐
WITH DRINKING WATER STANDARDS

Coliform Colonies (MF) 0 /100 ML.
Standard Plate Count, 35°C _____ /ML.
Fecal Coliform (MF) _____ /100 ML.
Fecal Streptococci (MF) _____ /100 ML.
Other _____

Date Reported 11-9-76 CM

1. Please give full information to avoid delay in report. 2. Type or print with pencil or ball point pen. 3. See back of first copy for important information.
4. No sample shall be accepted until a sanitary survey by a representative of the Environmental Improvement Agency has been made and such sampling authorized.

EIA 005 Form Issued 11/73 (Replaces LAJ 005)

(over)



State of New Mexico
Environmental Improvement Agency

BACTERIOLOGICAL WATER REPORT

64201

Town Anaconda Code # Val. County Val. Code # 32-20
Date Collected 11-1-76 Collected By J. K. YARLOS
Location No. #5 Chlorinated ☒ YES ☐ NO ☐ Residual
Owner of System Anaconda pH 7.2
Collection Point P-10
PUBLIC ☐ SEMI-PUBLIC ☐ PRIVATE ☒ SWIMMING POOL ☐ W.P.C. ☐ SPECIAL ☐
Stream/Lake Name _____
Sewage/Industrial Plant Name _____
River Basin: RIO GRANDE ☒ PECOS ☐ SAN JUAN ☐ GILA ☐ CANADIAN ☐
LITTLE COLORADO ☐ OTHER _____
SANITARY SURVEY COMPLETED- YES ☒ NO ☐
CHECK TEST REQUIRED: POTABILITY ☐ COLIFORM GROUP ☐ MEMBRANE FILTER ☒
STANDARD PLATE COUNT ☐ FECAL COLIFORM ☐ FECAL STREPTOCOCCI ☐
Re-Sample No. _____ Other _____

SEND REPORT TO THE FOLLOWING (NAME & ADDRESS)

MR. T. Beck
Anaconda Co.
P.O. Box 638
Grants, N. Mex. 87020

RESULTS OF TESTS FOR COLIFORM GROUP			
	Presumption	Confirmed	Completed
Volume	24 Hours	48 Hours	24 Hours
10 ml.			
10 ml.			
10 ml.			
10 ml.			
10 ml.			

CONFORMS ☐ DOES NOT CONFORM ☐
WITH DRINKING WATER STANDARDS

Coliform Colonies (MF) 0 /100 ML.
Standard Plate Count, 35°C _____ /ML.
Fecal Coliform (MF) _____ /100 ML.
Fecal Streptococci (MF) _____ /100 ML.
Other _____

Date Reported 11-9-76 CM

1. Please give full information to avoid delay in report. 2. Type or print with pencil or ball point pen. 3. See back of first copy for important information.
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EIA 005 Form Issued 11/73 (Replaces LAB 005)

(over)

WATER ANALYSIS

POL-EPA01-0005613

WATER PUMPED

4rd QUARTER 1976

	<u>GALLONS</u>
P-10 Well	2,585,000
New Shop Well	928,000
P-10 Mine	23,936,000

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Carlsbad, N.M.